

# ISO PRIMER 1054

## Product Data Sheet (TDS)

### DESCRIPTION

ISO PRIMER 1054 is a one-component, synthetic resin with a medium gradual size that primarily reduces substrate absorbency and improves adhesion.

ISO PRIMER 1054 is applied indoors and outdoors before using plasters, tile adhesives, and self-leveling compounds on smooth surfaces like fair-faced concrete, wall, and ceiling.

### USES

- Suitable for internal and external applications on both vertical and horizontal surfaces.
- Providing a rough keying layer, especially for leveling compounds, bonding plastering, and tiling applications.
- Reduce substrate absorbency.
- Improve substrate adhesion on substrates made from concrete, cement screed, wood, brickwork, vibro-compressed concrete blocks, lightweight blocks, and gypsum for ceramic adhesives, smoothing and leveling compounds on non-absorbent surfaces, such as ceramic, terrazzo.
- Provides high bonding strength on EPS and XPS boards.
- Protect substrate from moisture entering from tile adhesive or self-leveling compounds.

### ADVANTAGES

- Ready to use.
- Easy to apply with either roller or brush.
- High coverage.
- Nonflammable and has very low emissions of (VOC).
- Excellent Resistance to Temperature, Humidity, and Aging.
- Fair Resistance to Solvent, oil, Acids, and Alkalis.



### PRODUCT & TECHNICAL DATA

Composition	Synthetic resin
Consistency	Creamy liquid
Colour	Red
Mix Density	1.7 ± 0.5 g/cm <sup>3</sup>
pH	7.5
Dry solid content	70%
Application Temperature	(+5 °C) – (+35 °C)

### COVERAGE

Consumption varies between 0.2 – 0.3 kg/m<sup>2</sup> depending on substrate absorbency and application.

## APPLICATION PROCEDURE

### Surface preparation

Cementitious substrates must be properly cured and dried for 1-4 weeks.

All substrates must be structurally sound, able to support the weight of the new tiling and provide a stable background.

Substrate surfaces shall be clean, dry, and free of any loose or friable particles, or contaminants such as dust, dirt, oil, wax, polish grease, cement laitance, or efflorescence. Depending on the substrate condition and contaminants to be removed from the surface, use adequate preparation techniques to remove all traces of any materials that could reduce the product's adhesion to the substrate.

Smooth surfaces should be roughened lightly to improve adhesion.

To confirm adequate surface preparation, primer compatibility, and adhesion, carry out a small trial before the complete application.

### Application

Put undiluted ISO PRIMER 1054 onto the prepared substrate and apply by brush, roller. Ensure a continuous, pore-free coat covers the substrate.

Avoid excessive primer consumption and the formation of puddles.

Remove excess primer before applying tile adhesive or self-leveling compound.

## RECOMMENDATIONS

- The drying time is 2-7 hours. This period depends on the substrate type, porosity, moisture, ambient air temperature, and humidity. Do not apply anything on ISO PRIMER 1054 within this period.
- 24 hours must be passed before the application of plaster, renders, tile adhesives, etc., on ISO PRIMER 1054.
- ISO PRIMER 1054 is ready-to-use, don't add water, thinning agent, or anything to this product that is not specified in this Product Data Sheet.

- Do not use ISO PRIMER 1054 in any application that is not clearly described in this Product Data Sheet.

- Do not use ISO PRIMER 1054 in the presence of rising dampness or rising humidity, and on continuously immersed surfaces.

## CLEANING

Clean all the tools with water immediately after use.

Hardened materials can be removed mechanically only.

## PACKING

ISO PRIMER 1054 is supplied in plastic pails:

- 18 Kg
- 12 Kg
- 5 Kg

## SHELF LIFE

Shelf life is up to 12 months from production date when stored as per recommendations.

## STORAGE

Product must be stored in original unopened, and undamaged sealed packaging in dry conditions, under cover, out of direct sunlight at temperatures between +5 °C and +35 °C.

In tropical climates the product must be stored in air-conditioned environment.

## HEALTH AND SAFETY

As with all construction chemical product, caution should be always be exercised. Protective clothing such as gloves and goggles should be worn.

Treat any splashes to the skin or eyes with fresh water immediately.

Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

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